

AMENDMENTS TO THE SPECIFICATION:

Please make the following changes to the specification at the indicated locations:

Page 1, line 5, please delete this line in its entirety, i. e. delete "DESCRIPTION".

Page 1, line 6 (between title and first paragraph), please insert the following heading: **BACKGROUND OF THE INVENTION**

Page 1, lines 7 to 9, please make the following changes in the paragraph between these lines:

The invention relates to a glass ceramic or glass body that can be subjected to high thermal loads and is decorated with a paint or colorant ~~color~~-based on a melted silicate containing effect pigments.

Page 1, lines 11 to 12, please make the following changes in the paragraph between these lines:

Such colorants based on a silicate melt are typically colorants with ~~molten glass~~ glass flux as a base. These Said colorants are baked onto the substrate at a very high temperature.

Page 2, lines 17 to 24, please make the following changes in the paragraph between these lines:

The ceramic colorants used in practice to date for the decoration of glass cooking surfaces and glass ceramic cooking surfaces, fireplace sight glasses and other flat-glass surfaces that are exposed to high thermal loads are systems containing one or more glass fluxes ~~molten glasses~~ mixed with colored pigments or pigments and optionally fillers. After baking, the colorant affords a more or less homogeneous coating of a certain coloration. In the case of the pigments that are ~~became~~ known under the trademark ~~tradenam~~e-IRIODIN® and with other effect pigments this coloration is further intensified by varying light reflection on the coated luster platelets resulting in the known “metallic effects” of ceramic colorants.

Page 2, line 31, please insert the following heading:

SUMMARY OF THE INVENTION

Page 3, lines 21 to 25, please make the following changes in the paragraph between these lines:

Hence, for the decoration of glass ceramic and special glasses, especially for use on cooking surfaces, fireplace sight glasses etc, a suitable glass flux ~~molten glass~~ is mixed with special, suitable color-flop pigments. This will produce a multicolor effect, for example from green to gray, from green to violet or from gold to dusky pink simply by changing the angle of view.

Page 3, line 27, to page 4, line 7, please make the following changes in the

paragraph between these lines:

Although these effect pigments that bring about a color-flop effect are in themselves known, it was not obvious to use them in colorants based on a silicate melt, because they are not common in this industry and because their heat resistance as given by their manufacturers is not sufficient for use in such colorants with a silicate melt as base (stable up to 230°C according to the manufacturer's Technical Data Sheet dated February 2003 and June 2002). According to product information supplied by the manufacturer Merck, said pigments are therefore always used in organic matrices, for example in automobile manufacture, in plastics, in printing inks and in lacquers. For this reason, it was not immediately obvious that these effect pigments could be used for decorating glass ceramic and glass bodies that are subjected to high thermal loads. Surprisingly, we have found that by adding the aforesaid pigments to a silicate melt, particularly to glass flux-~~molten glass~~, in a manner in which they are usually employed for decorating glass ceramics and special glasses, the heat resistance can be increased to such an extent that an entirely new field of application opens up for them.

Page 4, line 8, please insert the following heading:

DESCRIPTION OF THE PREFERRED EMBODIMENTS

Page 4, lines 9 to 11, please make the following changes in the paragraph between these lines:

According to one embodiment of the invention, the color-flop colorant is based on
~~consists of~~ a silicate melt ~~as a base~~ to which are added specified amounts,
preferably from 1 to 30 wt. %, of the color-flop effect-pigments in the form of
synthetically produced plane-parallel silicon dioxide (SiO₂) platelets coated with
metal oxides.

Page 4, lines 15 to 20, please make the following changes in the paragraph
between these lines:

To this end, appropriate ~~effect~~ special-effect pigments commercially supplied by
~~the Merck KGaA company under the trademark tradename~~ COLORSTREAM®
~~Colorstream®~~ are preferably used. The very thin, flat, optimally plane-parallel
pigment particles produce unusually changing interference ~~intereference~~-effects,
namely a multicolor effect. Even under subdued light, the color change of the
pigments is quite pronounced. The special aesthetics in this case are due to the
soft, flowing transition of the colors.

Page 4, lines 22 to last line (last paragraph), please make the following changes
in the paragraph between these lines:

By varying the coatings on the plane-parallel SiO₂ COLORSTREAM®
~~Colorstream®~~ pigment platelets, color-flop pigments of various hues can be
prepared, for example:

1. **COLORSTREAM® ~~Colorstream®~~ Autumn Mystery**

The color changes from red to impressive gold and bronze to green.

2. **COLORSTREAM® ~~Colorstream®~~–Viola Fantasy**

The color changes from a strong lilac to silver and green to blue.

3. **COLORSTREAM® ~~Colorstream®~~–Arctic Fire**

The color changes from ~~turquoise~~ turquoise to brilliant silver to metallic red and gold.

Page 4, after last line, please insert the following paragraph:

The COLORSTREAM® Arctic Fire pigment comprises a silicate glass flux containing synthetically produced plane-parallel silicon dioxide (SiO₂) platelets coated with a titanium dioxide-containing coating. This color-flop pigment is a dry free-flowing powder consisting of the platelets. More than 80 % of the platelets have a particle size within a particle size range of 5 to 40 µm. Furthermore it has a composition, in percent by weight, comprising 52 - 66, SiO₂; 32 - 42, TiO₂; 1 - 5, SnO₂; and 0 - 3, ZrO₂. One example of this pigment has a composition, in percent by weight, of 59.0, SiO₂; 36.7, TiO₂; 2.7, SnO₂; and 1.6, ZrO₂.

Page 5, lines 1 to 2, please make the following changes in the sentence between these lines:

Preferably, the base of the ceramic colorant with the color-flop pigments of the invention is a ~~molten glass~~ glass flux.

Page 5, lines 4 to 20, please make the following changes in the sentence

between these lines:

The ~~molten-glass~~ flux preferably has the following a composition (in wt.%):

Li ₂ O	0 - 5
Na ₂ O	0 - 5
K ₂ O	< 2
Σ Li ₂ O + Na ₂ O + K ₂ O	1 - 10
MgO	0 - 3
CaO	0 - 4
SrO	0 - 4
BaO	0 - 4
ZnO	0 - 4
B ₂ O ₃	15 - 27
Al ₂ O ₃	10 - 20
SiO ₂	43 - 58
TiO ₂	0 - 3
ZrO ₂	0 - 4
Sb ₂ O ₃	0 - 2
F	0 - 3 ₂

Page 5, lines 22 to 26, please make the following changes in the paragraph

between these lines:

This composition of the glass flux ~~molten-glass~~ - in the following referred to as "GF1" - is the same as that indicated in DE 197 21 737 C1, the disclosures of which are taken into account in the present application by this reference.

Depending on the application, other usable glass compositions are described in

DE 198 34 801 C2, FR 2 732 960, EP 1 119 524 B1, DE 42 01 286 A1 and EP 0 460 863 B1.

Page 5, lines 28 to 32, please make the following changes in the paragraph between these lines:

Besides the special color-flop pigments added to the ~~molten glass~~ glass flux according to the invention, common fillers and/or other conventional colored pigments, for example colored bodies (spinels), can optionally also be added. The COLORSTREAM® ~~Colorstream®~~ effect pigments in combination with other colored pigments are particularly effective in so-called stylings.

Page 6, line 11, to page 7, last line, please make the following changes in the section labeled "Practical Examples":

Practical Examples

1. Glass flux ~~Molten~~ "GF1" glass (as per DE 197 21 737 C) + 20 % of the effect pigment COLORSTREAM® ~~Colorstream®~~ T 10 - 02 Arctic Fire multicolor effect pigment, made into a paste with a conventional screen printing medium and then printed onto glasses/glass ceramics that became known as products having the following trade-names:
 - a) CERAN HIGHTRANS® cooking surfaces

- b) CERAN SUPREMA® cooking surfaces
- c) ROBAX® fireplace sight glasses
- d) CERAN ARCTIC FIRE® cooking surfaces
- e) CERADUR® cooking surfaces always produce a color flop from green to violet with varying color intensities depending on the background color of the substrate.

2. Glass flux Molten-"GF1" glass+ 20 % of effect pigment
COLORSTREAM® ~~Colorstream®~~-F 10 - 00 Autumn Mystery
 multicolor effect pigment + 3 % of M 91884 black pigments
 (Heraeus), made into a paste with the screen printing medium and
 then printed onto the same substrates as in the first example.

This always gives a color flop from brass to dusky pink with different color intensities depending on the background color of the substrate.

In both practical examples, the color intensity is highest in substrate cases a) and b). In case c), the color-flop effect appeared with reduced color intensity and on a transparent dulling, and in cases d) and e) on the "silk-white" background color.